



Sunoco Logistics



Sunoco Logistics Mariner East Project *East Goshen Township, Chester County* *February 23, 2016*

SXL
LISTED
NYSE

Meeting Goal

- Matt Gordon, Project Manager, SXL, will review maps, project timeline and next steps; Questions and Answers
- Donald Zoladkiewicz, Community Affairs, SXL, Questions & Answers
- Question and Answer

** Representatives from Right of Way are present to discuss individual properties*

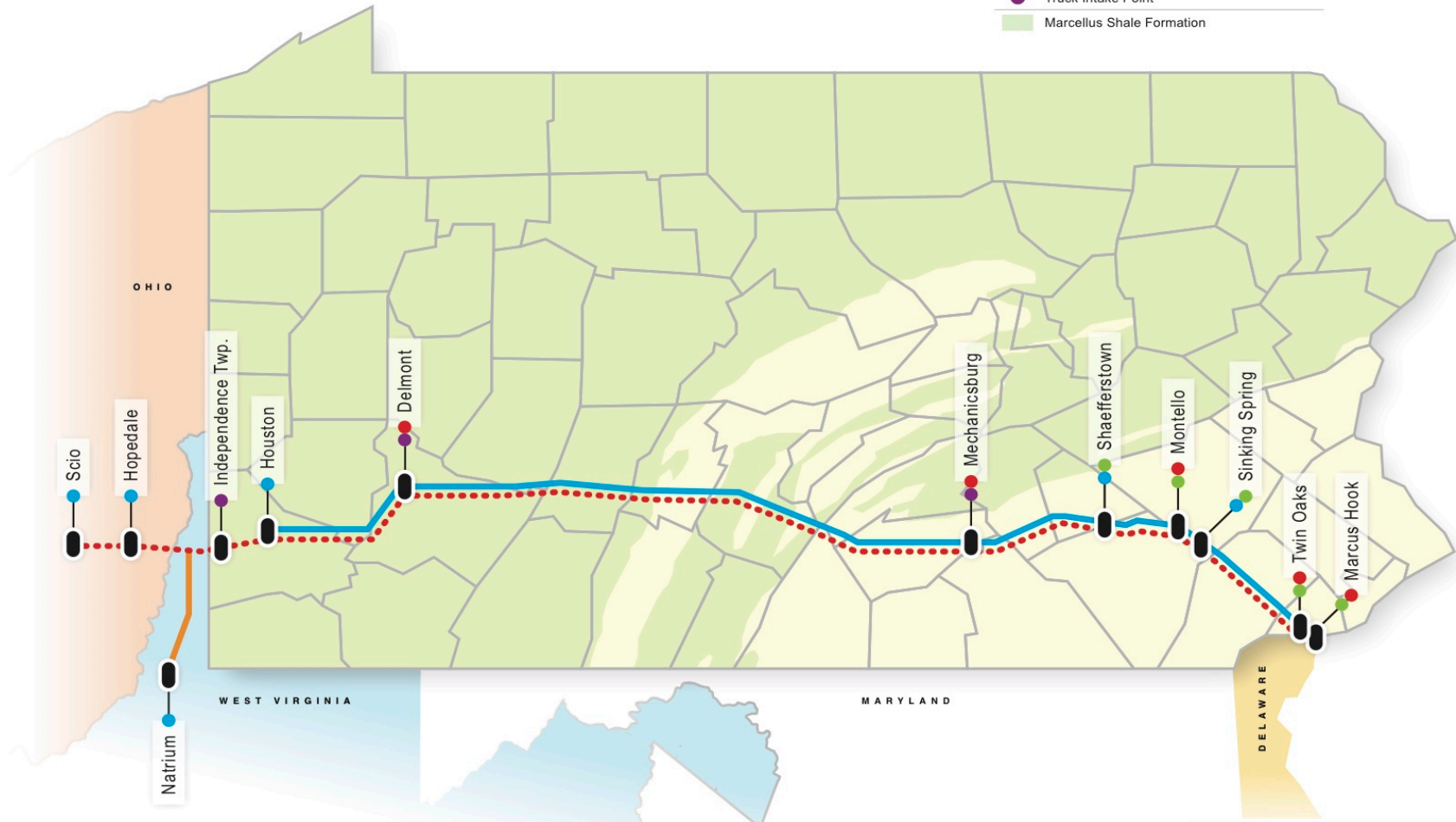
Mariner East: Proposed Project Route

Mariner East Pipeline Project



Sunoco Logistics

- Proposed ME2 Pipeline
- Existing Third Party Pipeline
- ME1 Pipeline
- SXL Terminal Facilities
- Third Party Facilities
- Propane Delivery Points
- Truck Intake Point
- Marcellus Shale Formation



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Shipping on Mariner East

Propane

A byproduct of natural gas production, used for home heating, grills, portable stoves and automobiles. Also a key raw material for plastics. Over 95% of propane consumed in the US is produced in North America.

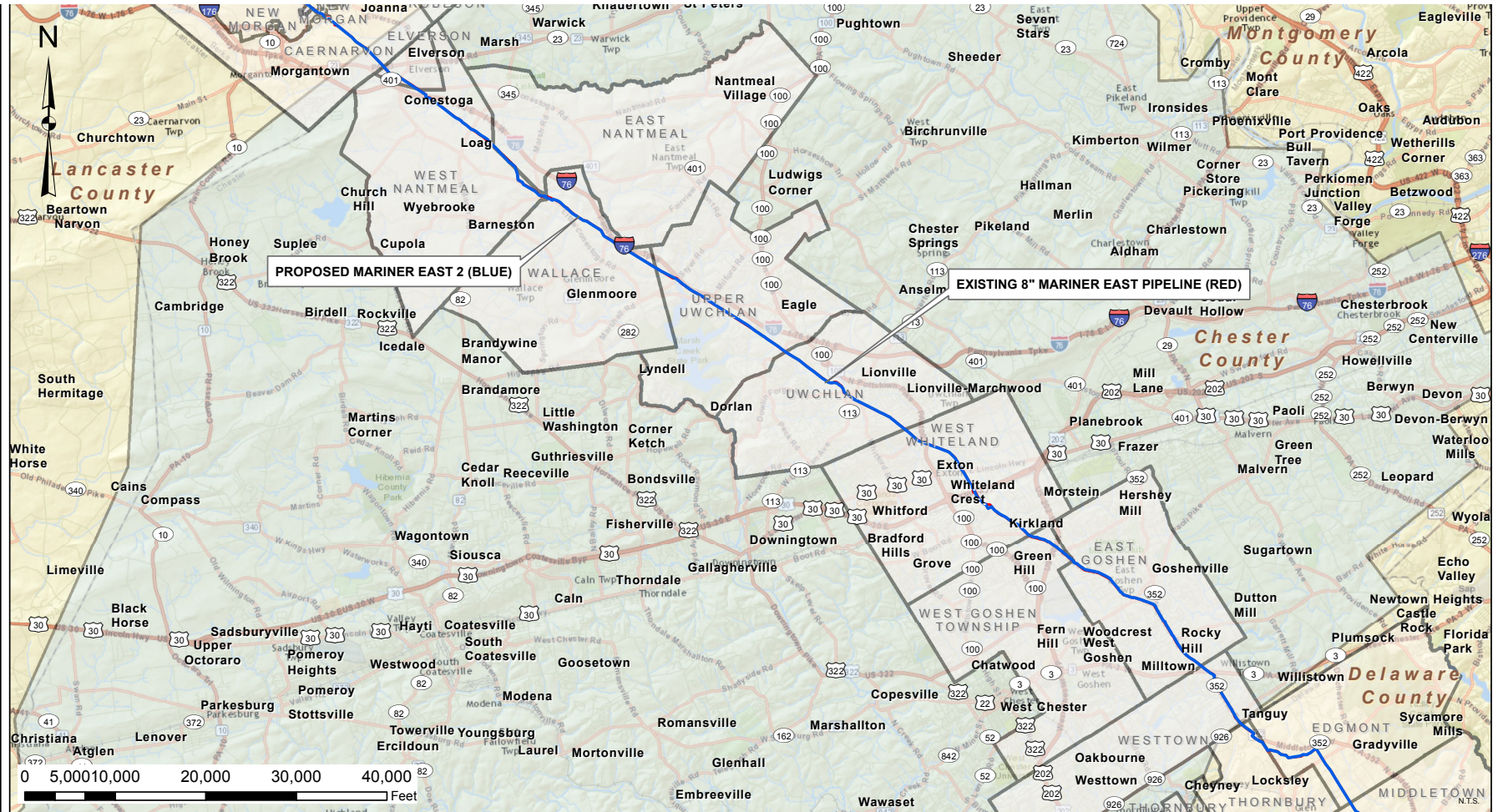
Ethane

A natural gas liquid that is further processed into ethylene and other byproducts to make textiles, plastics, detergents, coatings.

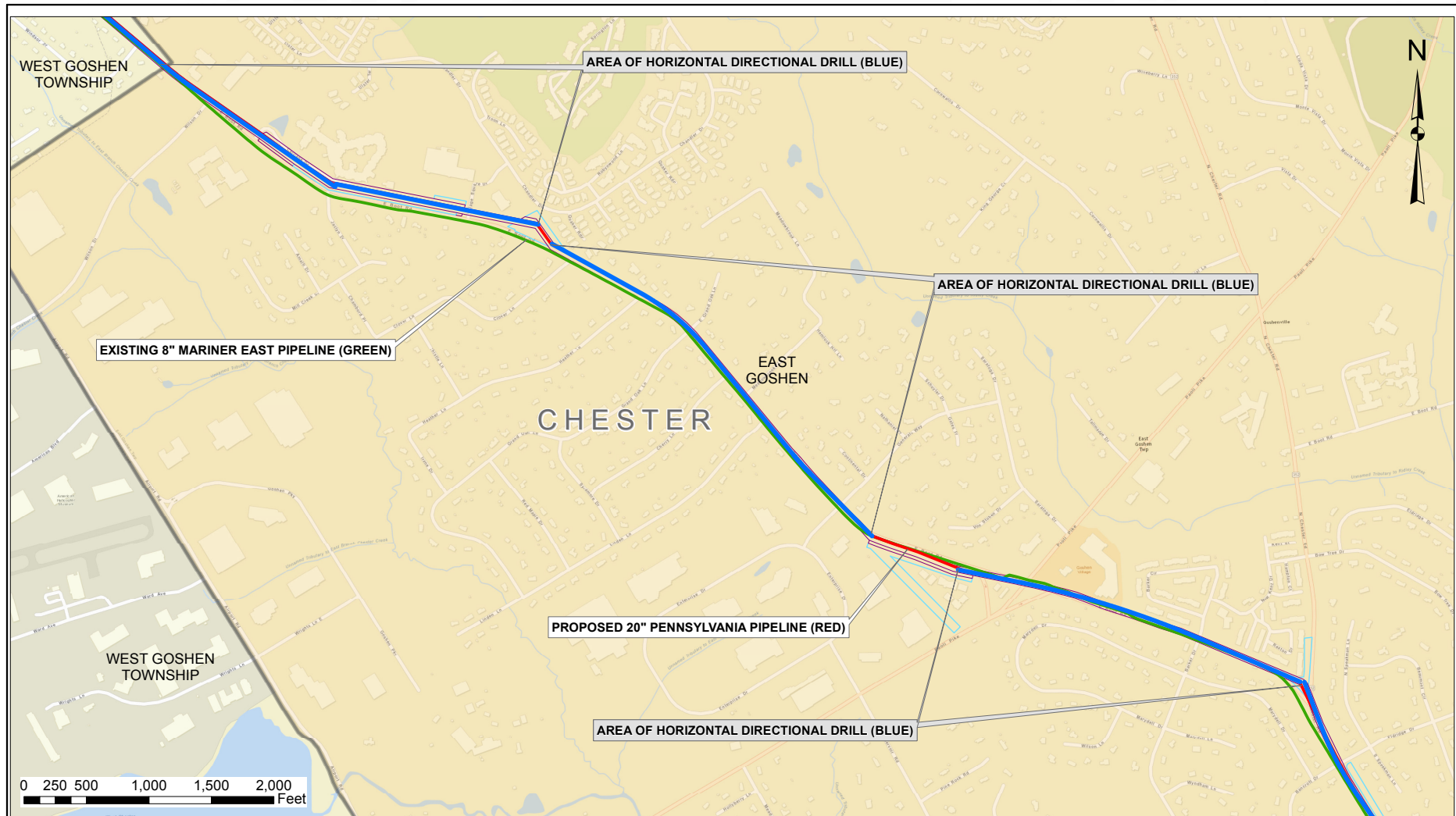
Butane

A natural gas liquid that is used in lighters, as a component of gasoline, and as a refrigerant in household refrigerators and freezers.

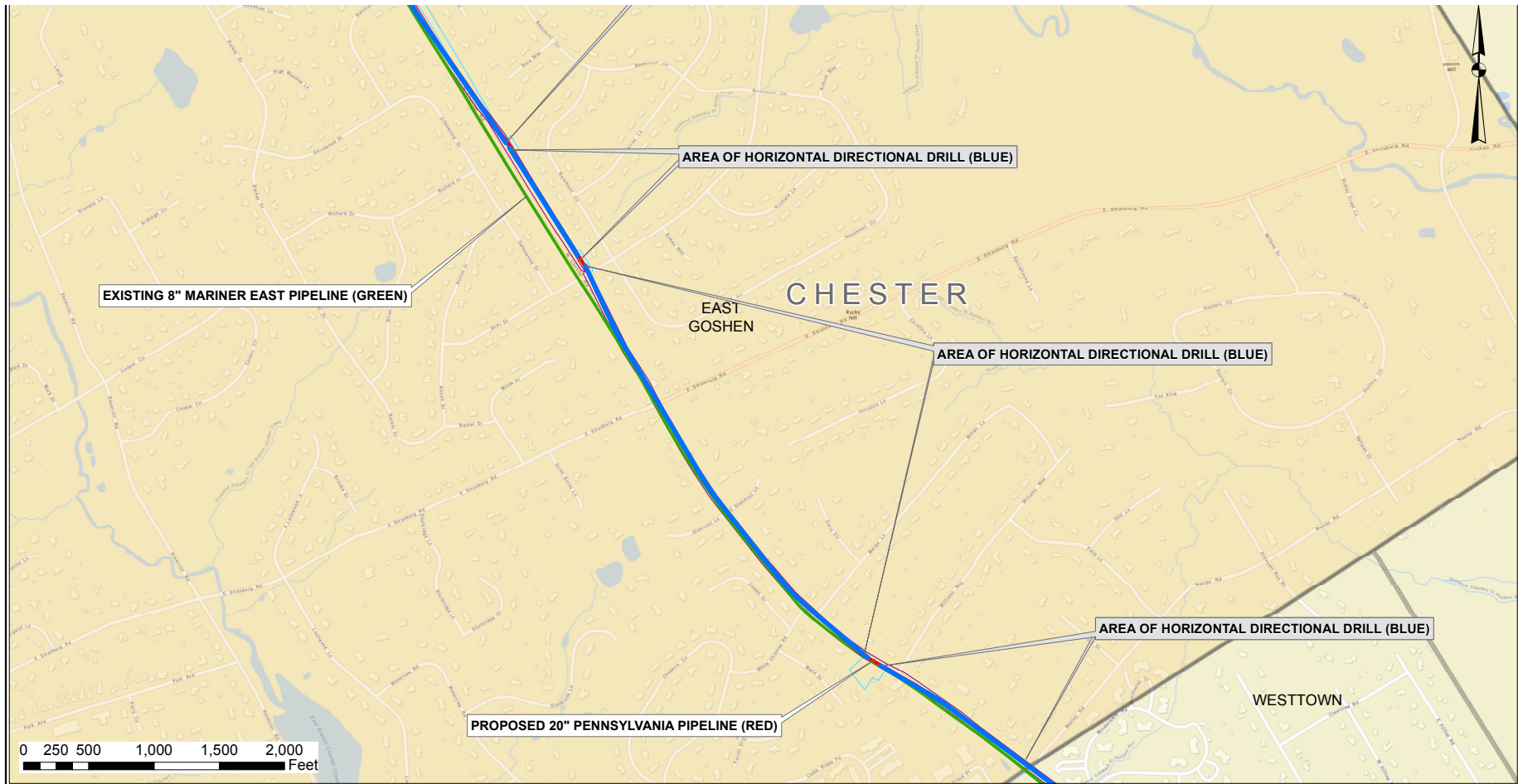
Mariner East Project: Chester County



Mariner East Project: East Goshen Township

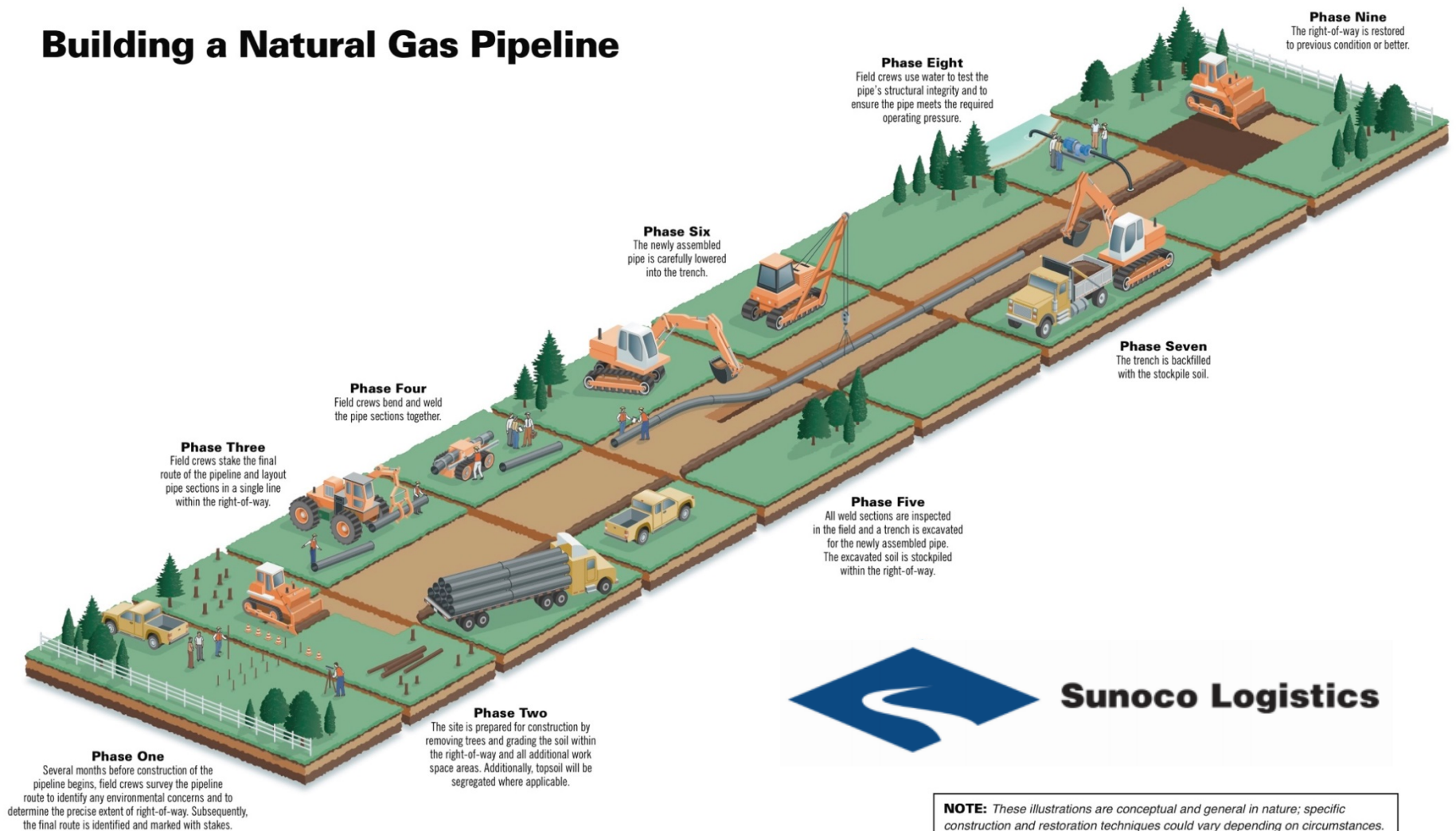


Mariner East Project: East Goshen Township



Construction Methods – Conventional Cut

Building a Natural Gas Pipeline



Conventional Cut Image

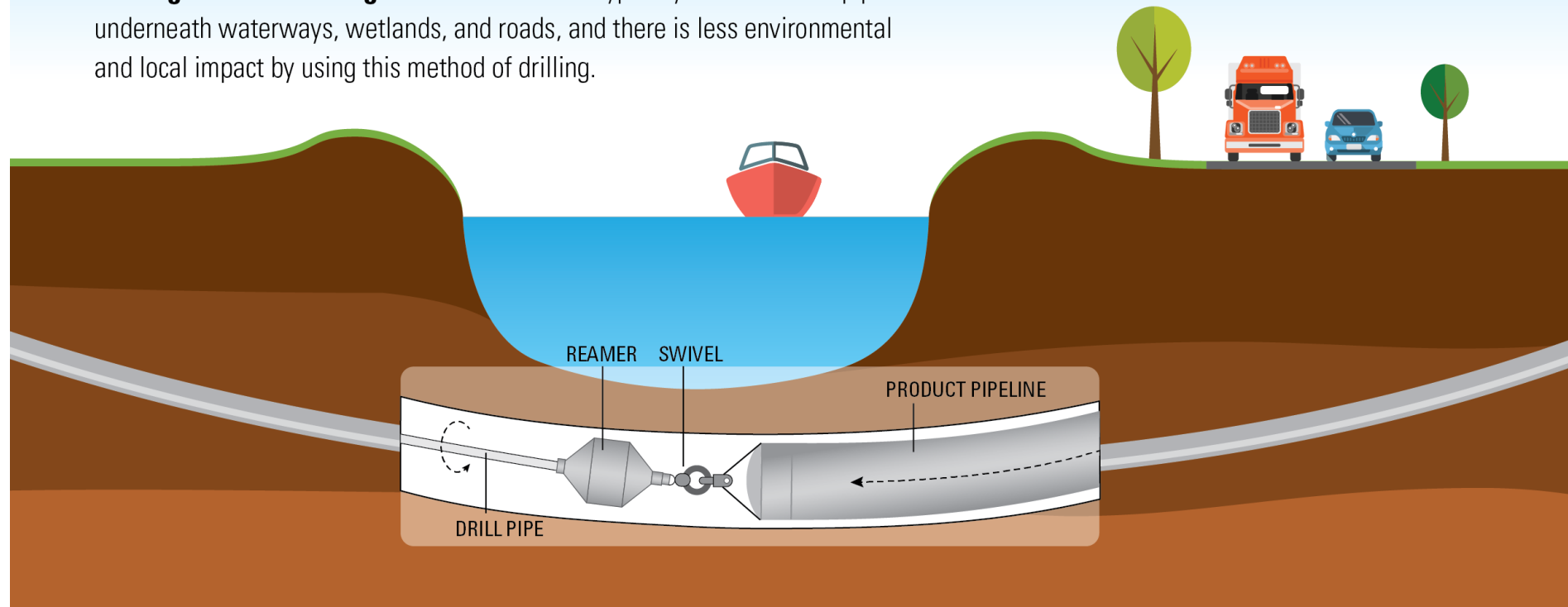


Construction Methods – Horizontal Directional Drill (HDD)

Horizontal Directional Drilling



Horizontal Directional Drilling (HDD) is used to install pipe underground over long distances. HDD is typically used to install pipe underneath waterways, wetlands, and roads, and there is less environmental and local impact by using this method of drilling.



Drill Rig Sample



- Pipe loader transports with the rig
- Micro-processor, touch screen controls
- Variable cooling fan for superior noise reduction
- Cummins QSX15 T4 final engine *(or Tier 3 depending on country of purchase)*



660,000 lbs. (300 Tonnes) Thrust//Pullback

Safety and Engineering

- Sunoco Pipeline has been operating NGL pipelines safely for more than 50 years.
- We conduct rigorous testing of all pipes, new and existing, using the most advanced technologies available to analyze a pipeline's condition.
- Pipelines are tested with water at pressures above maximum operating pressure before being placed into service.
- Professional controllers monitor the pipeline's pressure, temperature and flow 24 hours a day, 7 days a week from a control center dedicated exclusively to safe pipeline operation, and operators can shut down the pipeline remotely.
- We patrol the pipeline route, or right-of-way, by ground and by air for any potential hazards.

The safety of Sunoco Logistics' (SXL) employees and the community is our highest priority as an organization, and we believe that no project is worth doing if it cannot be done safely.

Mariner East is a Significant Investment in PA

CAPITAL IMPROVEMENT PROJECTS IN PENNSYLVANIA



LINCOLN
FINANCIAL
FIELD
\$512
MILLION



\$281 HEINZ FIELD
MILLION



Project Economic Impact

Mariner East is a \$3 billion private investment, capital project

- \$1.8M in sales tax revenue in PA
- \$100M+ in statewide annual economic impact in PA
- 30,000 jobs supported during construction
- \$62M in total tax revenue during construction
- 300+ permanent jobs
- \$23M in personal income tax revenue in PA
- \$4.2B in positive economic impact to PA economy

*“Our numbers indicate that the Mariner East project will significantly impact the state’s economy, from the jobs it will create and support, both temporary and permanent, to the tax revenues generated for the Commonwealth. . . . **You just don’t see companies investing \$3 billion on capital projects in Pennsylvania every day.**”*

Econsult Press Release 2/6

Project Timing

- November 2014: SXL announces Mariner East 2 project
- 2015
 - Land acquisition
 - Public open house meetings statewide
 - Public official outreach at state and local levels
 - Local municipality outreach
 - Initial construction activities commence
 - Mariner East 1 goes into full operation
- Q1 2016
 - Land preparation for construction
 - Ongoing local municipality outreach
 - Ongoing public landowner meetings
- Q2 2016
 - ME 2 full construction commences

Thank You

Q & A

Noise Curtain Sample



Noise Curtain Sample



Conventional Cut: Pipe Installation



Conventional Cut: Backfilling



Conventional Cut: Partial Restoration

